FIG.1

EVENT BASIS FORMAT

TIME	
5ns	PIN P1:1 , PIN P2:0 , PIN P3:0 , PIN P4:1
10ns	PIN P1:0 , PIN P2:1 , PIN P3:1 , PIN P4:0
15ns	PIN P1:0 , PIN P2:0 , PIN P3:0 , PIN P4:0
20ns	PIN P1:1 , PIN P2:1 , PIN P3:1 , PIN P4:1

FIG.2

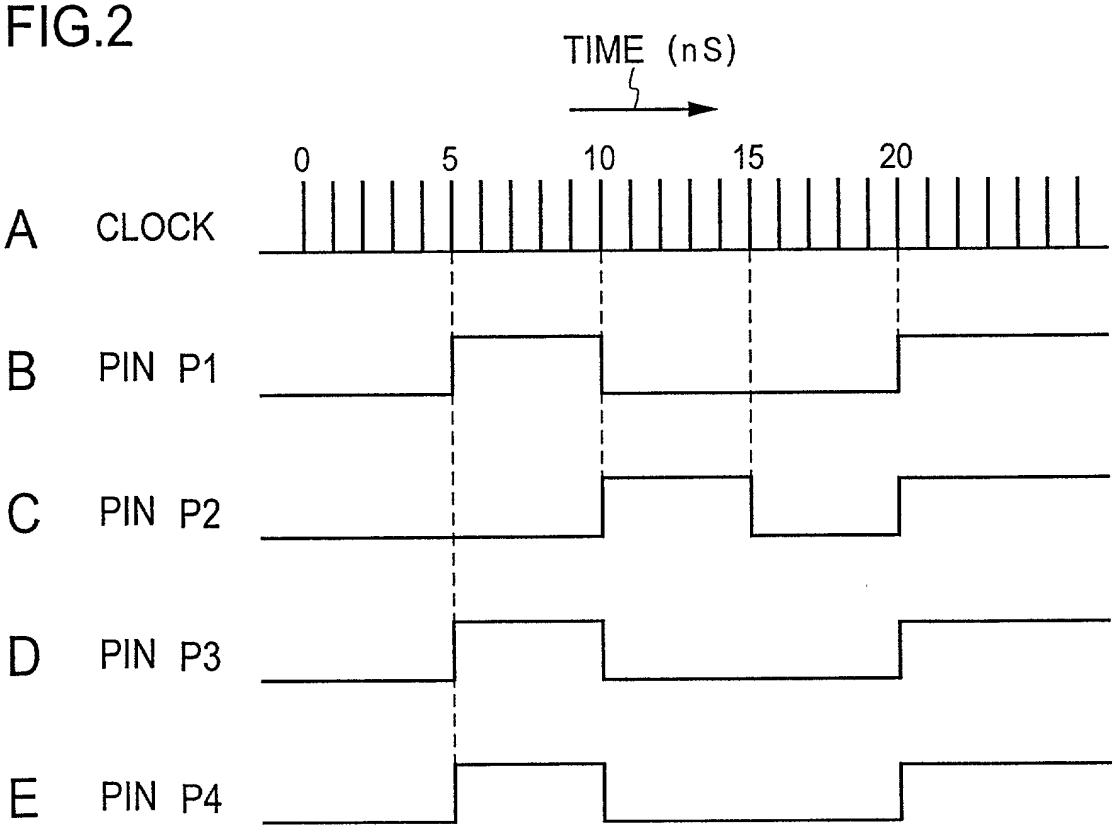


FIG.3

CYCLE BASIS FORMAT

TEST CYCLE (ADDRESS)	PIN No. P1	PIN No. P2	PIN No. P3	P4
1	TP:H T1:5ns T2:10ns	TP:L T1:5ns T2:10ns	TP:H T1:5ns T2:10ns	
2	TP:L T1:3ns T2:7ns	TP:H T1:5ns T2:10ns	TP:H T1:5ns T2:10ns	
	⋮	⋮	⋮	

FIG.4

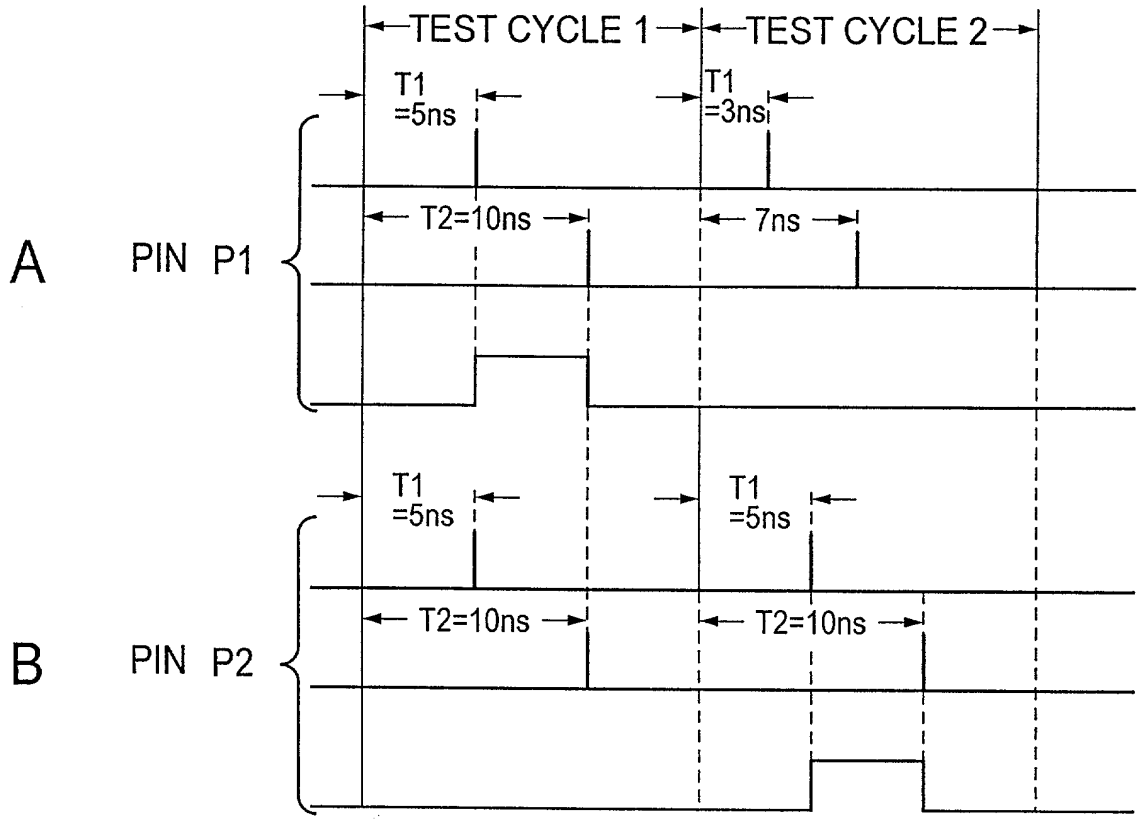


FIG.5 Prior Art

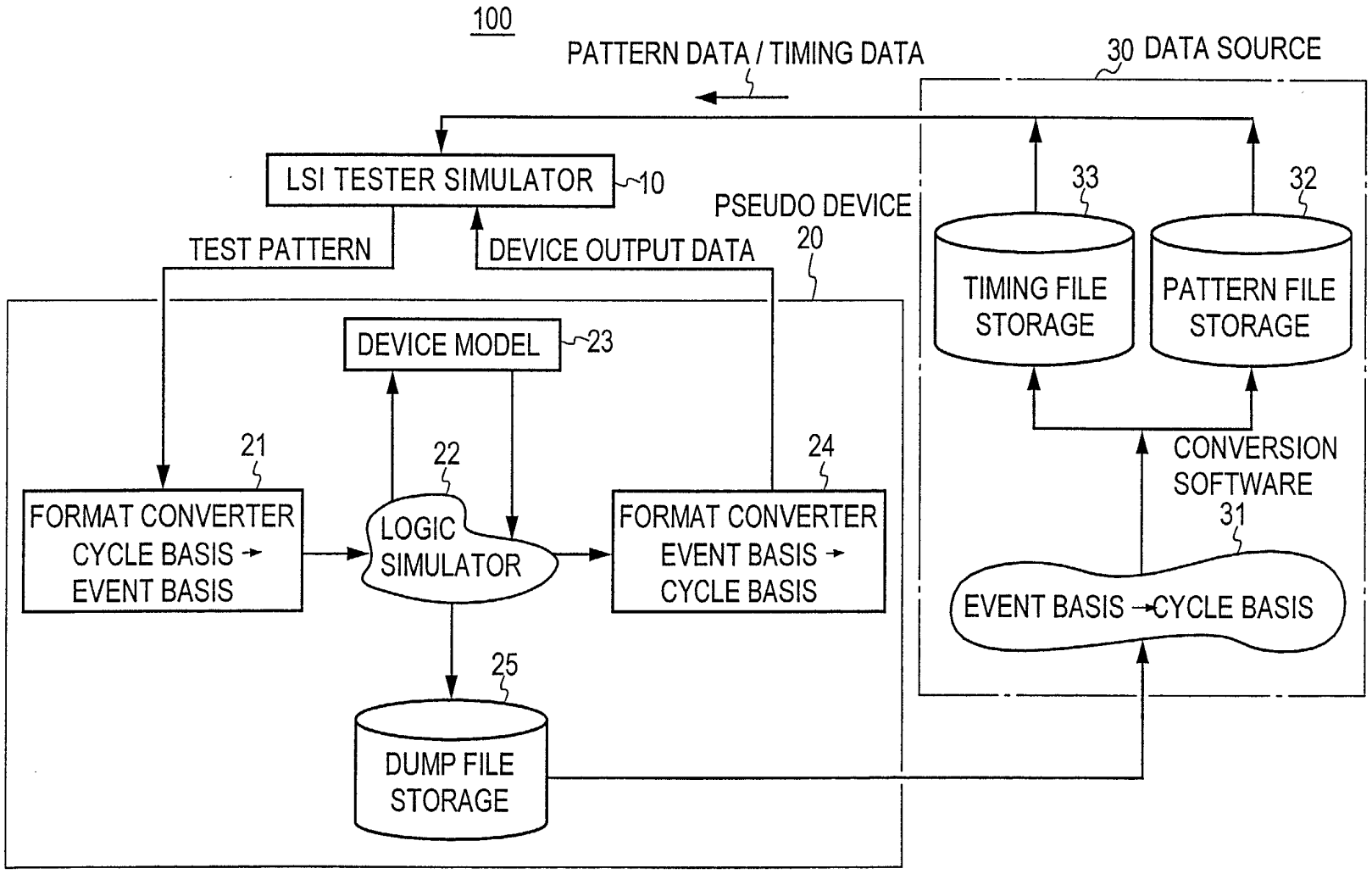


FIG.6

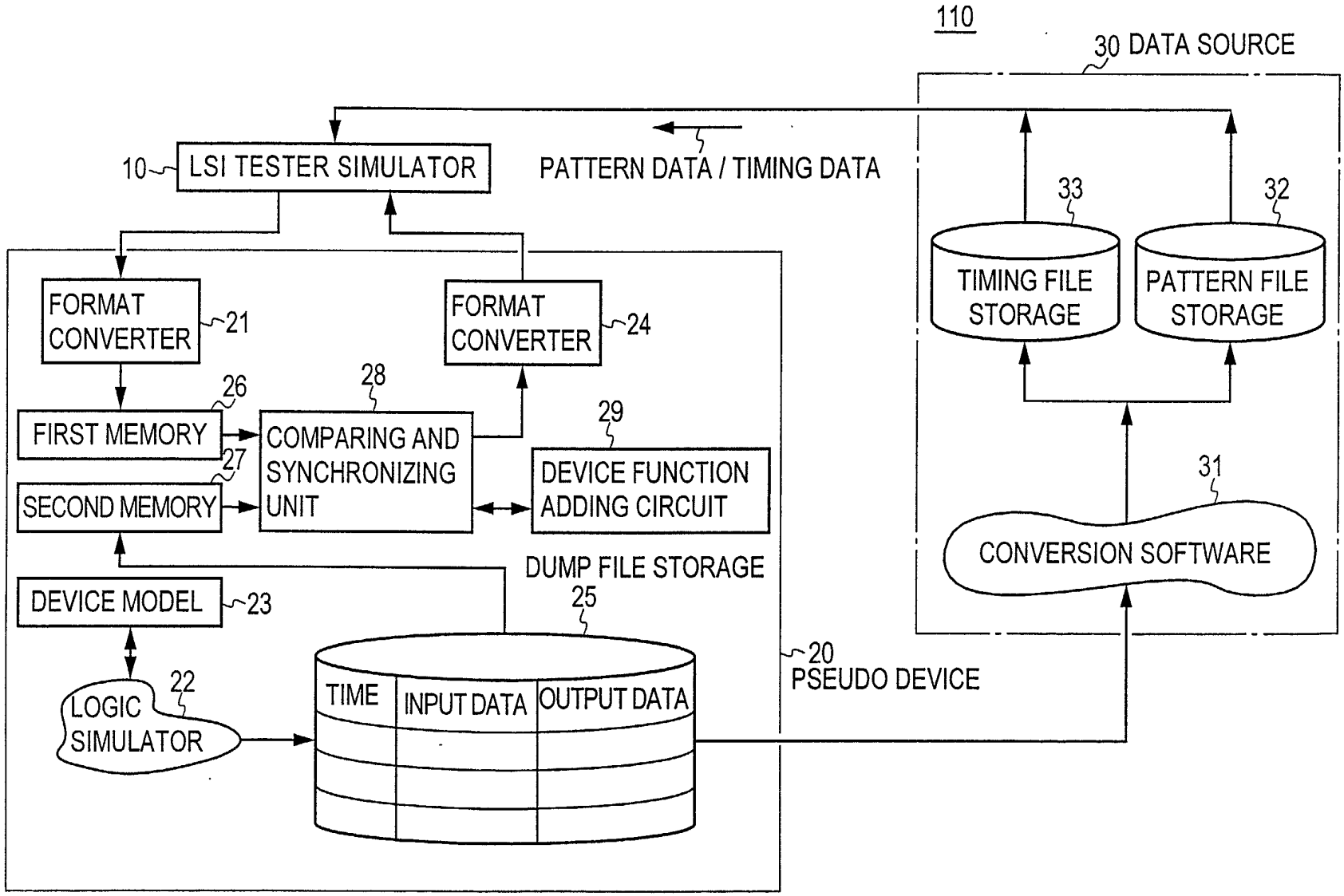

110
30 DATA SOURCE
10
LSI TESTER SIMULATOR
PATTERN DATA / TIMING DATA
33
32
TIMING FILE STORAGE
PATTERN FILE STORAGE
FORMAT CONVERTER
21
FORMAT CONVERTER
24
26
28
29
FIRST MEMORY
COMPARING AND SYNCHRONIZING UNIT
DEVICE FUNCTION ADDING CIRCUIT
27
SECOND MEMORY
31
CONVERSION SOFTWARE
DUMP FILE STORAGE
25
DEVICE MODEL
23
22
LOGIC SIMULATOR
TIME
INPUT DATA
OUTPUT DATA
20
PSEUDO DEVICE

FIG.7

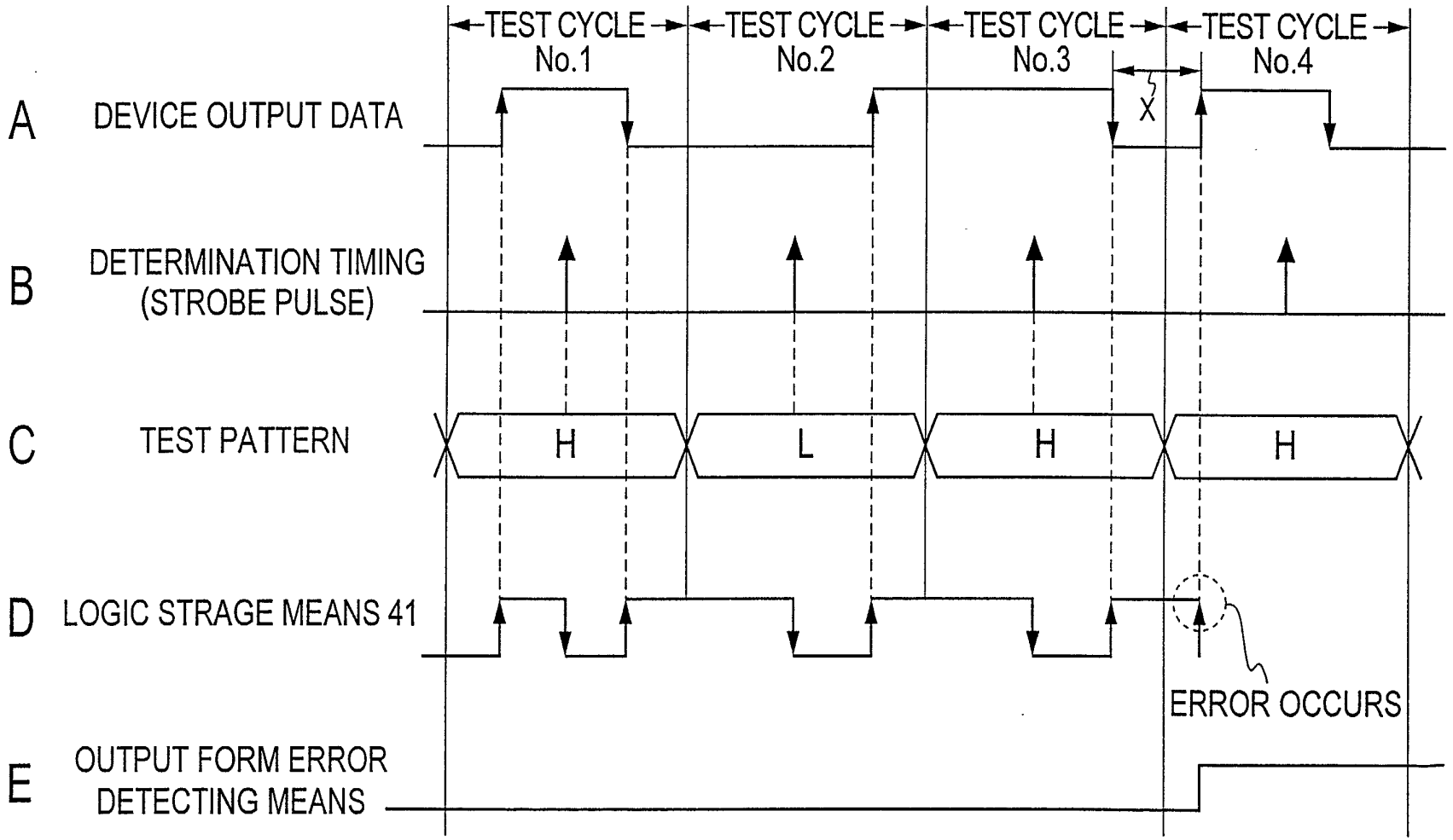

TEST CYCLE No.1
TEST CYCLE No.2
TEST CYCLE No.3
TEST CYCLE No.4
X
A
DEVICE OUTPUT DATA
B
DETERMINATION TIMING (STROBE PULSE)
C
TEST PATTERN
H
L
H
H
D
LOGIC STRAGE MEANS 41
ERROR OCCURS
E
OUTPUT FORM ERROR DETECTING MEANS

FIG.8

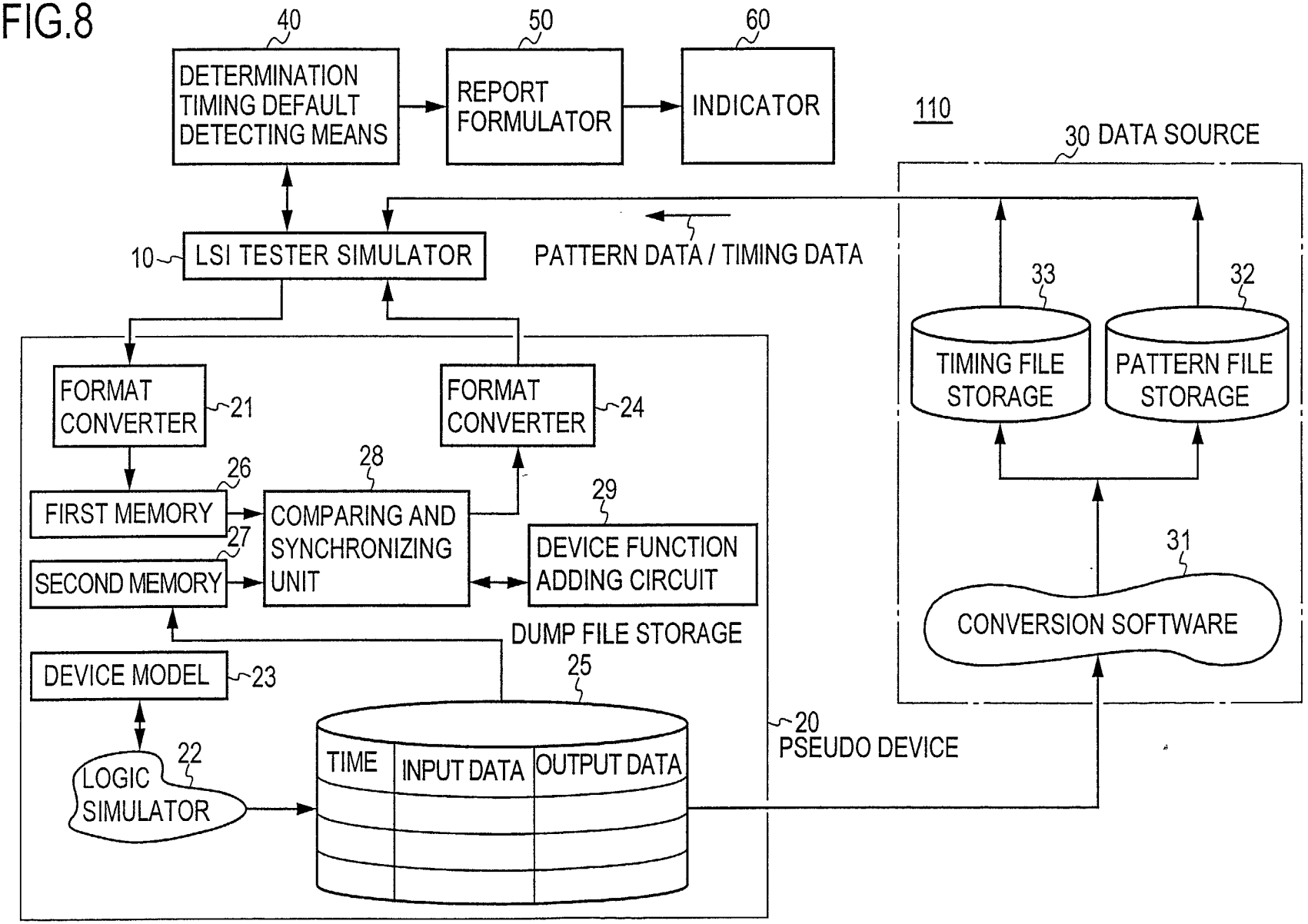

40
DETERMINATION TIMING DEFAULT DETECTING MEANS
50
REPORT FORMULATOR
60
INDICATOR
110
30 DATA SOURCE
10
LSI TESTER SIMULATOR
PATTERN DATA / TIMING DATA
33
32
TIMING FILE STORAGE
PATTERN FILE STORAGE
FORMAT CONVERTER
21
FORMAT CONVERTER
24
26
28
29
FIRST MEMORY
COMPARING AND SYNCHRONIZING UNIT
DEVICE FUNCTION ADDING CIRCUIT
27
31
SECOND MEMORY
CONVERSION SOFTWARE
DUMP FILE STORAGE
25
DEVICE MODEL
23
20
PSEUDO DEVICE
22
LOGIC SIMULATOR
TIME
INPUT DATA
OUTPUT DATA

FIG.9

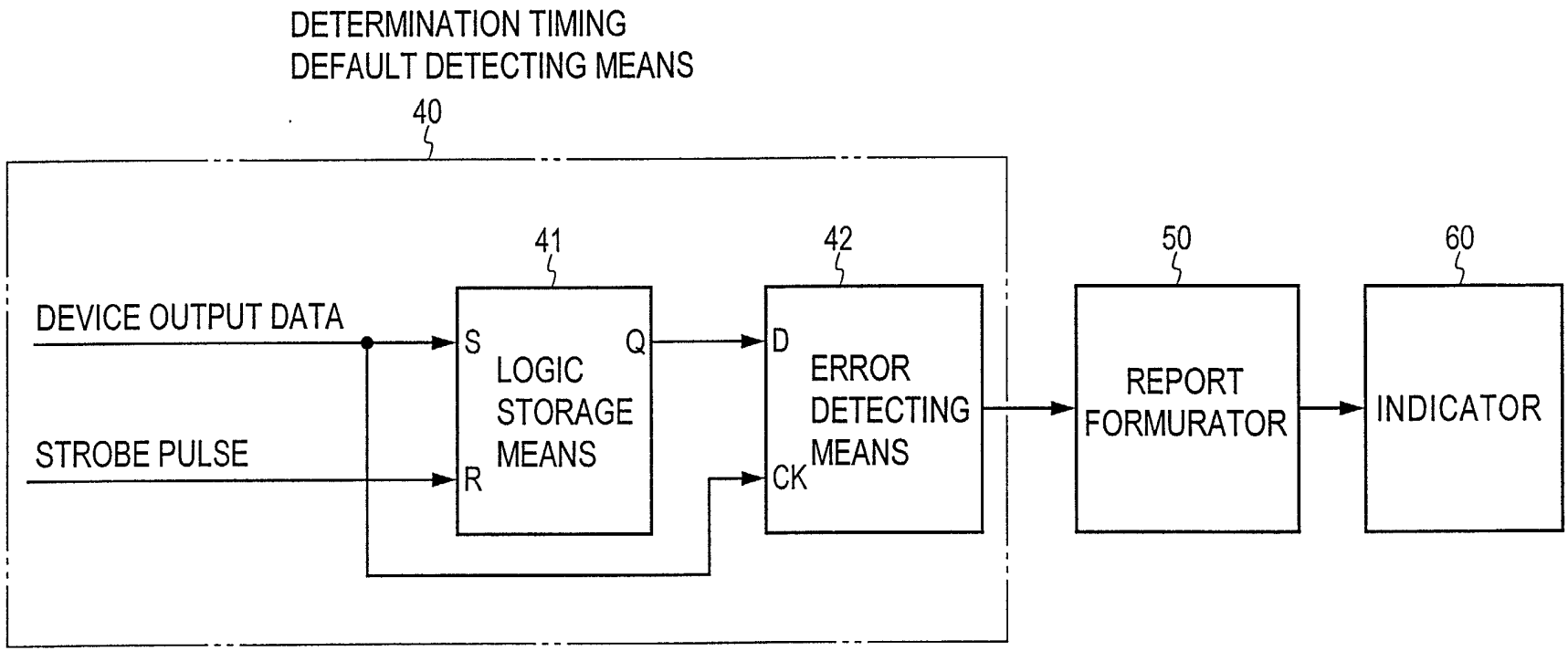
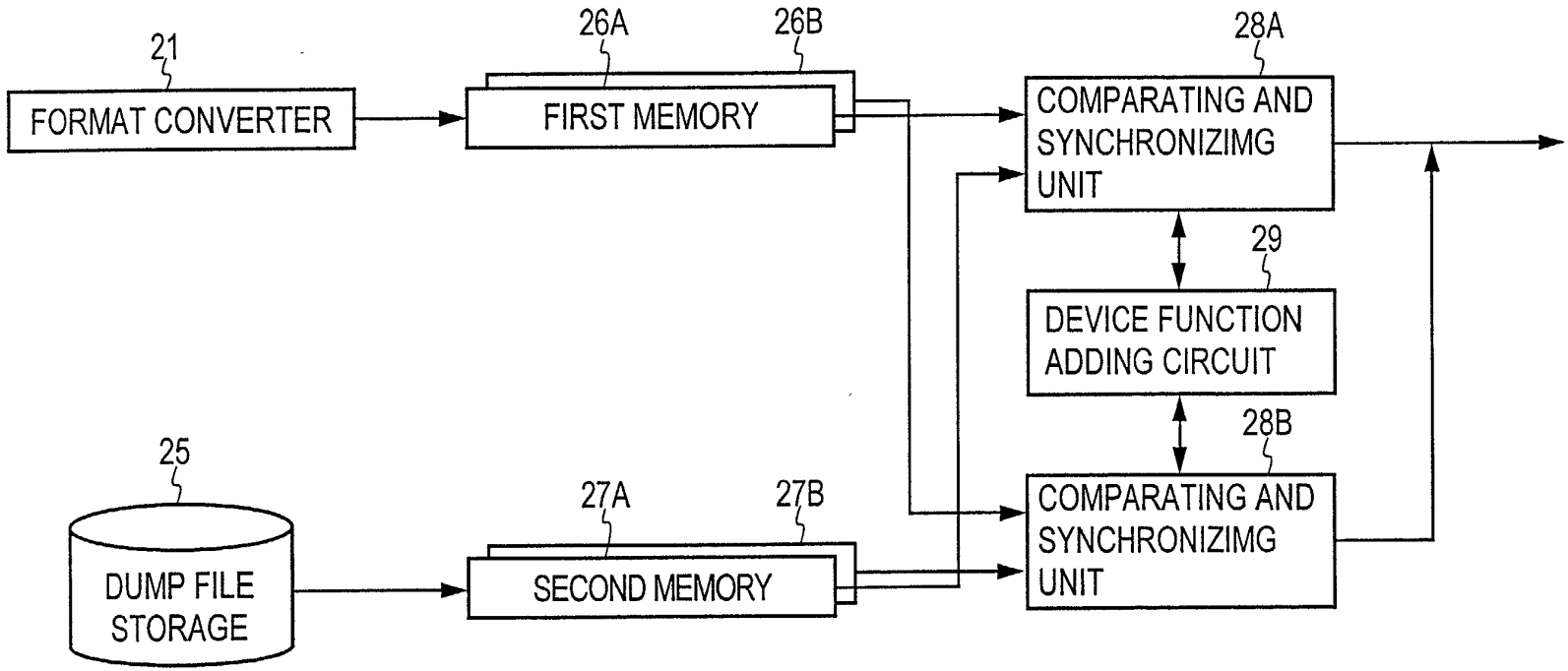

DETERMINATION TIMING
DEFAULT DETECTING MEANS
40
41
42
50
60
DEVICE OUTPUT DATA
STROBE PULSE
S
R
Q
LOGIC
STORAGE
MEANS
D
CK
ERROR
DETECTING
MEANS
REPORT
FORMURATOR
INDICATOR

FIG.10


21
FORMAT CONVERTER
26A
26B
FIRST MEMORY
28A
COMPARATING AND SYNCHRONIZIMG UNIT
29
DEVICE FUNCTION ADDING CIRCUIT
28B
COMPARATING AND SYNCHRONIZIMG UNIT
25
DUMP FILE STORAGE
27A
27B
SECOND MEMORY